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GEMMINGEN, DR. MAX FREIHERR VON. Der heutige Stand der Motorluftschiffahrt. Ills. *Mitt. des Verein für Erdkunde zu Leipzig*, 1908, pp. 57-82, 1909.

KLINGATSCH, ADOLF. Zur photographischen Ortsbestimmung. Ill. *Sitzungsb. d. k. Akad. d. Wiss., Math.-Naturwiss. Klasse*, Vol. 118, No. 4, pp. 485-509, 1909.

MARRIOTT, W. Registering-Balloon Ascents at Gloucester, June 23 and 24, 1909. Ills. *Quart. Jour. R. Meteor. Soc.*, Vol. 36, No. 153, pp. 7-16, 1910.

MEVIUS, F. Erland Nordenskiöld und seine Forschungstätigkeit. *Deutsche Runds. für Geog. u. Stat.*, Vol. 32, No. 7, pp. 316-318, 1910.

— Der Grosse Johannesburger Komet 1910a. Ills. *Geog. Anzeiger*, Vol. 11, No. 3, pp. 62-63, 1910.

## NEW MAPS

### NORTH AMERICA

#### U. S. GEOLOGICAL SURVEY MAPS

ALASKA. (a) Reconnaissance Map of Headwater Regions of Nabesna and White Rivers, Alaska. 1:250,000=3.95 miles to an inch. 141°-144° 10' W.; 61° 35'-62° 53' N. Contour interval, 200 feet. Topography by D. C. Witherspoon, T. G. Gerdine and S. R. Capps. Surveyed in 1902 and 1908. [Plane table triangulation with possible error of 2' in latitude and 3' in longitude. This is the region of the Nutzotin Mts. which adjoins the Wrangell Mts. on the north-east.] (b) Geologic Reconnaissance Map of Headwater Regions of Nabesna and White Rivers, Alaska. 1:250,000. Geology by F. C. Schrader, F. H. Moffit, A. Knopf and S. R. Capps under the direction of A. H. Brooks. [Geologic features imposed in colors on the topographic sheet, with gold and copper locations marked. These maps illustrate *Bull.* 417, "Mineral Resources of the Nabesna-White River District," by F. H. Moffit and Adolph Knopf, with a Section on the Quarternary by S. R. Capps, 1910.]

#### U. S. HYDROGRAPHIC OFFICE CHARTS

Pilot Chart of the North Atlantic Ocean, June, 1910.

Pilot Chart of the North Pacific Ocean, July, 1910.

#### U. S. DEPARTMENT OF AGRICULTURE MAPS

UNITED STATES. Soil Survey Maps of Etowah Co., Ala.; Hancock Co., Ga.; Caswell and Pitt Cos., and the Lake Mattamuskeet Area, N. C.; Center Co., Pa.; Coffee Co., Tenn. 1:63,360 and 1:62,500. [Issued by the Bureau of Soils with the co-operation of the several States. Each map is accompanied by descriptive text.]

GEORGIA. (a) A Preliminary Geological Map of Georgia. No scale. [Nine tints to show geological formations.] (b) Georgia Hydrographic Basins. [A black sketch map.] Illustrate *Bull.* 23, "A Preliminary Report on the Mineral

Resources of Georgia," by S. W. McCallie, State Geologist. Geol. Surv. of Georgia, Atlanta, 1910.

NEW YORK. Geologic Map of Southern Part of Manhattan Island, N. Y., with neighboring parts of Long Island. 1 inch=.62 mile. Illustrates "Areal and Structural Geology of Southern Manhattan Island," by Charles P. Berkey in *Ann. N. Y. Acad. of Sci.*, Vol. 19, Part 2. New York, 1909. [Colored symbols for Fordham Gneiss, Inwood Limestone and Manhattan Schist. Bore holes located and differentiated for satisfactory or uncertain determination of rock.]

WEST VIRGINIA. Map showing occurrence of Coal, Oil and Gas in West Virginia. One inch=8 miles. By I. C. White, State Geologist. Drawn and reduced from Government and other Surveys by Ray V. Hennen and Walter L. Webb. Morgantown, W. Va., 1904.

#### SOUTH AMERICA

BOLIVIA. Bolivia. La Frontera del Norte. 1:500,000=7.89 miles to an inch. Publicado por Adolfo Ballivian, Jefe de la Comisión Boliviana. La Paz, 1910. [Showing the northern frontier as surveyed by Major P. H. Fawcett in 1906-7 with the astronomical points he determined.]

BOLIVIA-PERU. Mapa de la región discutida entre Bolivia y el Perú en el que se señalan las diversas pretenciones de los dos Estados, las líneas Gomez-Polar y la del laudo argentino. Por Adolfo Ballivian. 1:2,000,000=31.56 miles to an inch. Bolivian Government, La Paz, 1909. [The data relating to the boundary line include the demarcation proposed by the Argentine Commission, but the map was made before the final adjustment of the dispute between Bolivia and Peru by the Treaty of La Paz, Sept. 17, 1909, whose results were mapped in the *Bulletin* for June.]

DUTCH GUIANA. (a) Overzichtskaart van Suriname. 1:2,000,000=31.56 miles to an inch. [Shows triangulation net, regions not yet explored, native paths, etc.] (b) Bovenstroomgebied van de Suriname. 1:199,200=3.1 miles to an inch. By J. G. W. J. Eilerts de Haan. Illustrate paper "Verslag van de expeditie naar de Suriname -rivier," in *Tidsch. of the Roy. Netherlands Geog. Soc.*, Vol. 27, No. 3, Amsterdam, 1910. [Gives results of the detailed surveys of the Pikien and Gran Rivers, which unite to form the Surinam R.; also profiles of both rivers with 10 fold exaggeration of the vertical scale.]

#### AFRICA

SOUTHERN NIGERIA. The Central and Eastern Provinces of Southern Nigeria. Compiled under the Authority of Sir Walter Egerton, Governor and Commander-in Chief, by Captain W. H. Beverley. 1:500,000=7.89 miles to an inch. 4°-7° 30' N.; 4° 30'-10° 30' E. Drawn and engraved at Stanford's Geographical Establishment, London, 1910. [This excellent map in colors is the best recent contribution to the mapping of Africa. It is based upon the surveys of officers in the Royal Engineers and Southern Nigeria Marine and of political officers in charge of the various districts. The scale is large enough for the clear expression of a great amount of information. The map shows the administrative districts, and symbols differentiate between the large and small native tribes, trigonometrical and barometrical heights, surveyed and unsurveyed river courses, three classes of roads as distinguished from unimproved native paths; also

gives the provincial and district headquarters and much other political information, the distribution of mission stations, etc. The condition of communications is clearly represented. The best roads are well graded and bridged, average 15 feet in width, and, where metalled, are suitable for heavy traffic. The third class roads are native paths, straightened and cleaned, averaging 8 feet in width, and, in nearly all cases, they may be cycled over. The hill features are well shown in brown contours and all the telegraph lines and stations are indicated. The superior mapping of the large amount of survey material supplied reflects much credit upon the Stanford map-house.]

#### ASIA

CHINA. Itinéraire de M. Pelliot du Turkestan russe au Kan Sou. No scale. Illustrates paper "Trois ans de Mission dans la Haute Asie," by Paul Pelliot, in *Bull. Soc. de Géog. de Lille*, No. 4, Lille, 1910. [A black sketch map of the explorer's route from Andijan, in Russian Turkestan, across Chinese Turkestan to the province of Kan-su in China proper.]

INDIA. Geological Sketch Map showing the Manganese Ore Deposits of the Nágpur-Bálághát Area, Central Provinces. 1 inch=4 miles. *Memoirs of the Geol. Surv. of India*, Vol. 37, Part 4, "The Manganese Ore Deposits of India." Calcutta, 1909. [In colors.]

INDIA. (a) India. Showing Stations of Observation of the Magnetic Survey. 1:5,000,000=78.9 miles to an inch. *Extracts from Narrative Reports of Officers of the Survey of India for 1905-6*. Calcutta, 1908; (b) A map giving similar data for the Magnetic Survey of India, in 1906-7, is published in *Extracts*, etc., for 1909.

INDIA. India. Three maps showing the Progress of the Imperial Surveys in India to Oct., 1906, Oct., 1907, and Oct., 1908. 1:3,110,080=128 miles to an inch. In *General Reports of the Survey of India for 1905-6, 1906-7, and 1907-8*. Calcutta, 1907-8-9. [Shows in colors the work in progress or completed of the topographic and revenue surveys.]

#### EUROPE

AUSTRIA-HUNGARY. Karte der Meer und Hafenfernen von Österreich-Ungarn. 1:5,000,000=78.9 miles to an inch. Illustrates paper by Prof. Dr. J. Kiesewetter in *Pet. Mitt.*, Vol. 56, No. 4, Justus Perthes, Gotha, 1910. [Red lines drawn across the Empire and the Balkan Pen. show distances along them from ports; blue lines, distances from the sea.]

AUSTRIA-HUNGARY. Semmering-Gebeit. 1:100,000=1.5 mile to an inch. G. Freitag & Berndt, Vienna, 1910. [One of the excellent small maps of districts especially attractive to tourists, with routes in red and descriptive text on the reverse.]

AUSTRIA-HUNGARY. Das Verbreitungsgebiet der deutschen Sprache in Westungarn auf Grundlage der Volkszählung vom 31 Dezember, 1900. Blatt I: Gespanschaft Oedenburg. 1:200,000=3.1 miles to an inch. By Dr. Richard Pfandler. Illustrates paper of same title in *Deutsche Erde*, Vol. 9, No. 2, Gotha, 1910. [Shows in colors the percentages of German and other population in the area mapped.]

GERMANY. Kartenskizzen zur Siedlungsgeographie Württembergs. 4 maps on 1 sheet. 1:1,000,000=15.78 miles to an inch. Illustrate "Die ländlichen Siedlungsformen Württembergs," by Dr. R. Gradmann, in *Pet. Mitt.*, Vol. 50, No. 4, Justus Perthes, Gotha, 1910. [Map 1 shows settlements with symbols to indicate geographical influences that helped to determine their location; 2, Pre-Roman Settlement; 3, Roman Settlement; 4, German Settlement after the dislodgement of the Romans.]

ENGLAND. The Basin of the Thames. 1:190,080=3 miles to an inch. 2 sheets. Constructed and Engraved by W. & A. K. Johnston, L't'd., Edinburgh and London, 1910. 98 in sheets. [A school wall map with 7 tints of brown to show elevations above the sea for every 100 feet to 800 and over; railroads and the old Roman roads are in red, clearly showing how the directions they take were influenced by the topography. The names of valleys and other physical features are printed but only the larger towns are indicated by place mark and initial letter, so that there is no overcrowding, and attention is not distracted from the forms of the land, the purpose of the map being to facilitate the study of the physiography of the Thames basin. Of late years, British publishers have produced a considerable number of excellent school wall maps of this kind. Good physical maps, like this one, of parts of our own country in which the government topographic sheets, the essential basis of such maps, have been completed, would supply a very desirable facility for schools.]

FRANCE. Die Besitzverhältnisse des französischen Eisenbahnnetzes nach der Verstaatlichung der Westbahn-Linien. 1:3,700,000=58.3 miles to an inch. With inset of Paris in 1:600,000. *Pet. Mitt.*, Vol. 56, No. 4, Gotha, 1910. [The state rail routes are distinguished from those in private hands and the color of each road refers to its name or its terminal points as explained in the legend.]

## OCEANIA

GERMAN NEW GUINEA. Der Kaiserin-Augusta Fluss. Aufgenommen von Kapitän u. Offizieren des Dampfers "Peiho" Mai-Juni, 1909. 1:200,000=3.1 miles to an inch. Illustrates "Eine Bereisung des Kaiserin-Augusta-Flusses," by Dr. O. Reche, in *Globus*, Vol. 97, No. 18, Brunswick, Germany, 1910. [A detailed chart (black and white) of the lower part of this large river for nearly half of its course. The scale is large enough to show all the river windings, a large number of soundings are given in meters, and the plantations, villages, swamps and nature of vegetation along the river are indicated. A careful product of survey work, especially noteworthy as the main purposes of the expedition were ethnographical and anthropological.]

NEW POMERANIA. Aufnahmen auf der Gazelle Halbinsel. 1. Der nord-östliche Teil der Gazelle Halbinsel. 1:200,000; 2. Plan des Alten Kraters (Balanakaia). 1:15,000; 3. Der Innerste Teil der Offenen Bucht. 1:200,000; 4. Übersichtskarte. 1:2,000,000. Illustrates "Beiträge zur Kenntniss Neu Pommerns und des Kaiser-Wilhelms-Landes," by Prof. Dr. K. Sapper in *Pet. Mitt.*, Vol. 56, No. 4, Justus Perthes, Gotha, 1910. [The maps are based upon the surveys of Dr. Sapper, Dr. G. Friederici and W. Wernicke. Their routes are given and colors are used to show grasslands, forests, mixed grassland and forest, mangrove and European plantations.]

PHILIPPINE ISLANDS. (a) Approximate Tracks of the Typhoons of October, 1909; (b) Typhoon of Oct. 17 and 18. Rainfall (mm.) in 24 hours. Accompanied by charts and diagrams of Isobars and Barographic Records. [Illustrate descriptions of these typhoons in *Bull.* for Oct., 1909, Weather Bureau, Manila Central Observatory, Manila, 1910.]

PHILIPPINE ISLANDS. Earthquake Map of the Philippines, 1862-1909. No scale. Plate II accompanying "Catalogue of Violent and Destructive Earthquakes in the Philippines, etc." Manila Weather Bureau, Manila, 1910. [Shows the areas affected, the principal mountain systems, and soundings in fathoms.]

SAMOA. Die Samoa-Insel Savaii. 1:150,000=2.38 miles to an inch. With insets of parts of the coasts on a larger scale. By Dr. K. Wegener. Illustrates "Die Karte von Savaii," in *Pet. Mitt.*, Vol. 56, No. 4, Justus Perthes, Gotha, 1910. [The map is based upon compass bearings taken at various points on the coast with distances according to the chart of the German Hydrographic Office. Contour lines, with hundred meters interval, indicate the nearly regular slope from the central regions to the sea. Nearly the whole island is shown as covered with forest. The plantations, in the coastal region, are indicated and also the locations of the numerous volcanoes.]

#### ATLASES

Prof. A. L. Hickmanns Geographisch-Statistischer Universal-Taschen-Atlas. 64 pp. of Text and 65 double pp. of Maps and Diagrams. G. Freytag & Berndt, Vienna and Leipzig, 1910. [One of the most helpful and comprehensive of the pocket atlases, with special attention to statistical information. The atlas might give more attention to the Western World with advantage. It maps the United States only as a part of North America on the minute scale of 1:60,000,000.]

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#### OTHER ACCESSIONS

##### ASIA

ELIAS, N. Report of a Mission to Chinese Turkistan and Badakhshan in 1885-86. (With a Route Map.) (Marked "Confidential.") Calcutta, Gov't. Print. 1886. 8vo.

FOSTER, WILLIAM. The English Factories in India. 1630-1633. A Calendar of Documents in the India Office, Bombay Record Office, etc. [Frontispiece & 2 Sketch-maps.] Oxford, at the Clarendon Press. 1910. 8vo.

GARNETT, W. J. Report by Mr. — of a Journey through the Provinces of Shantung and Kiangsu. [With two Maps.] [*British Blue Book.*] *China. No. 1. (1907.) Presented to both Houses of Parliament . . . June, 1907.* London, Eyre & Spottiswoode. pr. fol.

HODGSON, C. PEMBERTON. A Residence at Nagasaki and Hakodate in 1859-1860. With an Account of Japan Generally. By —, with a Series of Letters on Japan, by his Wife. (Illustrations.) London, Richard Bentley. 1861. 8vo.